



# Laboratory Service Manual

**Lab Dept:** Chemistry

**Test Name:** DHEA

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## ***General Information***

**Lab Order Codes:** DHEA

**Synonyms:** Dehydroepiandrosterone

**CPT Codes:** 82626 – Dehydroepiandrosterone (DHEA)

**Test Includes:** N/A

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## ***Logistics***

**Test Indications:** N/A

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Esoterix, Inc. (Test# 500116)

### **Phone Numbers:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 - 5 days, test set up Monday, Wednesday, and Friday

**Special Instructions:** N/A

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## ***Specimen***

**Specimen Type:** Whole blood

**Container:** Red top (plain, no gel) tube

**Draw Volume:** 3.0 mL (Minimum: 0.6 mL) blood

**Processed Volume:** 1.0 mL (Minimum: 0.2 mL) serum

**Note:** Submission of the minimum volume does not permit repeat analysis.



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<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen within 1 hour of collection. Remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	N/A

## Interpretive

### Reference Range:

Premature Infants:				
26 - 28 Weeks, Day 4:		236 - 3640 ng/dL		
31 - 35 Weeks, Day 4:		80 – 3150 ng/dL		
Full-Term Infants:				
3 Days:		65 – 1250 ng/dL		
7 - 30 Days:		50 – 760 ng/dL		
1 - 6 Months		26 – 385 ng/dL		
6 – 12 Months		20 – 100 ng/dL		
Prepubertal Children:				
1 - 6 Years		20 – 130 ng/dL		
6 - 8 Years		20 – 275 ng/dL		
Values begin to increase progressively at about six years of age prior to any physical evidence of puberty.				
Puberty:				
Age (years)	Male (ng/dL)	Age (years)	Female (ng/dL)	Tanner Stage
<9.8	31 - 345	<9.2	31 - 345	1
9.8 - 14.5	110 - 495	9.2 - 13.7	150 - 570	2



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10.7 - 15.4	170 - 585	10.0 - 14.4	200 - 600	3
11.8 - 16.2	160 - 640	10.7 - 15.6	200 - 780	4
12.8 - 17.3	250 - 900	11.8 - 18.6	215 - 850	5
<b>Adults:</b>				
20 - 50 years		160 - 800 ng/dL		

**Critical Values:**

N/A

**Limitations:**

N/A

**Methodology:**

Radioimmunoassay after solvent extraction

**Contraindications:**

N/A

**References:**

Esoterix, Inc. "Expected Value and S.I. Unit Conversion Table" Fifth Edition, 2003

Esoterix, Inc. Web Page [www.esoterix.com](http://www.esoterix.com)